

## VARIABLES & DATA TYPES SOLUTIONS

Solution 1:

```
import java.util.*;  
  
// Average of 3 numbers  
public class Solution {  
    public static void main(String args[]) {  
        Scanner sc = new Scanner(System.in);  
        int A = sc.nextInt();  
        int B = sc.nextInt();  
        int C = sc.nextInt();  
  
        int average = (A + B + C) / 3;  
  
        System.out.println("average is : " + average);  
    }  
}
```

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Solution 2:

```
import java.util.*;  
  
// Area of a Square  
public class Solution {  
    public static void main(String args[]) {  
        Scanner sc = new Scanner(System.in);  
        int side = sc.nextInt();  
  
        int area = side * side;  
  
        System.out.println("area of the square is : " + area);  
    }  
}
```

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### Solution 3:

```
import java.util.*;  
  
// Bill of Items  
public class Solution {  
    public static void main(String args[]) {  
        Scanner sc = new Scanner(System.in);  
        float pencil = sc.nextFloat();  
        float pen = sc.nextFloat();  
        float eraser = sc.nextFloat();  
  
        float total = pencil + pen + eraser;  
  
        System.out.println("Bill is : " + total);  
  
        //Add on - with 18% tax  
        float newTotal = total + (0.18f * total);  
  
        System.out.println("Bill with 18% tax : " + newTotal);  
    }  
}
```

### Solution 4:

In the mentioned code, the result variable will be of double type because of **type conversion**.

### Solution 5:

No, the statement will not give any error.

Names of variables are called identifiers in Java. Identifier rule says, identifiers can start with any alphabet or underscore ("\_") or dollar ("\$").

According to the rule the given variable name is a valid identifier.

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